

Chapter 3

Project Evaluation and Recommendations

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3-1 Project Effect

Present Status and Problems
TV and radio studios of the Educational Media Agency and Regional Educational Bureaus are not sufficiently equipped to produce educational programs to supplement the shortages of textbooks and teachers in the elementary and secondary education sector.
Solutions to be Offered by this Project
Procurement of Educational Radio Program Production Equipment <ul style="list-style-type: none">• EMA Radio Education Bureau Studio• Afar Regional Education Bureau Semera Radio Studio• Oromia Regional Education Bureau Alemaya Radio Studio• SNNP Regional Education Bureau Mizan Teferi Radio Studio• Gambella Regional Education Bureau Gambella Radio Studio• Harar Regional Education Bureau Harar Radio Studio• Addis Ababa Education Bureau Addis Ababa Radio Studio• Dire Dawa Regional Education Bureau Dire Dawa Radio Studio
Procurement of Educational TV Program Production Equipment <ul style="list-style-type: none">• EMA TV Studio• Tigray Region Education Bureau Mekelle TV Studio
Effects and Improvement to be Brought upon by the Project
Improvement of the surroundings for producing educational programs at the central (EMA) and regional (Education Bureaus) levels is expected to bring about the following effects: <ul style="list-style-type: none">• More educational programs will be produced in each region.• More local languages will be used in educational programs.• More subjects will be covered by TV and radio programs. The above will lead to: <ul style="list-style-type: none">• Expanding equitable access to education in areas, which will mitigate the disparity between urban and local regions and• Improvement of quality in education.

3-1-1 Direct effects

(1) Areas to Benefit from the Project:

The entire land of Ethiopia

(2) Populations Benefit

Project sites	No. of elementary & secondary school students	No. of teachers	No. of general listeners	Total
EMA Radio Studio	574,719 (Secondary)	21,500	13,019	609,238
EMA TV Studio	112,914 (Secondary)	13,431	—	126,345
Afar Region Semera Radio Studio	22,088 (Elementary)	—	—	22,088
Oromia Region Alemaya Radio Studio	538,500 (Elementary)	—	—	538,500
SNNP Region Mizan Teferi Radio Studio	165,164 (Elementary)	—	—	165,164
Gambella Region Gambella Radio Studio	37,421 (Elementary)	—	—	37,421
Harar Region Harar Radio Studio	25,207 (Elementary)	—	—	25,207
Addis Ababa Radio Studio	362,921 (Elementary)	—	—	362,921
Dire Dawa Region Dire Dawa Radio Studio	32,751 (Elementary)	—	—	32,751
Tigray Region Mekelle TV Studio	57,213 (Elementary, 7th/8th grade)	—	—	57,213
Total no. of beneficiaries	1,928,898*1	34,931	13,019	1,976,848

*1 No. of elementary school pupils : 1,241,265
No. of secondary school students : 687,633

(3) Expected Benefits

1) Increase in Production of Educational Programs

Project sites	No. of programs before the Project	No. of programs after the Project	No. of programs to increase	Target area
EMA Radio Studio	460	990	530	Nationwide
EMA TV Studio	80	120	40	Nationwide
Afar Region Semera Radio Studio	84 (max.)	240	156	Afar Region
Oromia Region Alemaya Radio Studio	None produced in the past	336	336	Oromia Region
SNNP Region Mizan Teferi Radio Studio	None produced in the past	336	336	SNNP Region
Gambella Region Gambella Radio Studio	168 (max.)	336	168	Gambella Region
Harar Region Harar Radio Studio	168 (max.)	246	78	Harar Region
Addis Ababa Radio Studio	168 (max.)	450	282	Addis Ababa Special District
Dire Dawa Region Dire Dawa Radio Studio	168 (max.)	336	168	Dire Dawa Region
Tigray Region Mekelle TV Studio	None produced in the past	20	20	Tigray Region

2) Increase in the Number of Local Languages Used in Educational Programs

Project sites	No. of languages before the Project	No. of languages after the Project	No. of languages to increase	Target area
EMA Radio Studio	8	17	9	Nationwide
Afar Region Semera Radio Studio	1	2	1	Afar Region
Oromia Region Alemaya Radio Studio	0	4	4	Oromia Region
SNNP Region Mizan Teferi Radio Studio (Whole SNNP Region)	0 (8)	4 (12)	4 (4)	SNNP Region
Gambella Region Gambella Radio Studio	2	3	1	Gambella Region
Harar Region Harar Radio Studio	1	2	1	Harar Region
Addis Ababa Radio Studio	2	2	0	Addis Ababa Special District
Dire Dawa Region Dire Dawa Radio Studio	1	4	3	Dire Dawa Region
Tigray Region Mekelle TV Studio	0	1	1	Tigray Region

3) Increase in the Number of Subjects Covered by Educational Programs

Project sites	No. of subjects before the Project	No. of subjects after the Project	No. of subjects to increase	Target area
EMA Radio Studio	6	8	2	Nationwide
EMA TV Studio	4	6	2	Nationwide
Afar Region Semera Radio Studio	1	7	6	Afar Region
Oromia Region Alemaya Radio Studio	0	7	7	Oromia Region
SNNP Region Mizan Teferi Radio Studio	0	3	3	SNNP Region
Gambella Region Gambella Radio Studio	4	6	2	Gambella Region
Harar Region Harar Radio Studio	4	5	1	Harar Region
Addis Ababa Radio Studio	4	5	1	Addis Ababa Special District
Dire Dawa Region Dire Dawa Radio Studio	2	7	5	Dire Dawa Region
Tigray Region Mekelle TV Studio	0	2	2	Tigray Region

3-1-2 Indirect Effects

Implementation of this project will:

- 1) Expand equitable access to education for the people in local areas, thereby mitigating the educational disparity between urban and local regions,
- 2) Improve the overall quality of education,
- 3) Elevate the enrollment ratio of elementary and secondary schools, and
- 4) Ensure education for girls.

3-2 Remaining Tasks and Recommendations

(1) School Facilities

In order to diffuse elementary and secondary education, a sufficient number of school facilities will be needed. In Ethiopia, 6,462,500 or about 51% of 12,683,585 children between ages 7 and 14 attend elementary school. There are a total of 11,490 elementary schools, each having an enrollment of 563 pupils on average. The Ethiopian government aims to increase the enrollment ratio to 65% (about 8,244,330 pupils on the basis of the present child population) by the year 2005. A total of 14,644 schools will be needed at the current enrollment per school, which is 3,165 schools short of the current figure. As for secondary schools, 571,719 or about 10.3% of 5,571,277 children between ages 15 and 18 attend school. There are a total of 410 secondary schools each having an enrollment of 1,395 on average (in 2 - 3 shifts). As the enrollment of elementary schools is raised, the number of secondary school students will naturally increase. Therefore, constructing secondary school buildings will be an essential element in the promotion of education in Ethiopia.

Although the construction of more than 40 junior high school buildings has already commenced through the assistance of international aid organizations that take part in the ESDP programs, including UNDP, World Bank, African Development Bank, and cooperation agencies of Sweden and Ireland, a lack of school facilities will continue to be the major obstacle to the diffusion of elementary and secondary education in Ethiopia.

(2) Diffusion of TV and Radio Sets.

In order for schools to fully utilize TV and radio educational programs, they must be equipped with a sufficient number of TV and radio receiving sets. According to the "Distance Education, Educational Radio and TV Program Utilizes 2000," 8,934 of 11,490

elementary schools are using radio education. The average number of radio sets possessed by each school is 2 to 3 sets. 326 out of 410 secondary schools own TV sets, each having 1 to 2 sets. There are 13,019 listeners who cannot attend secondary school but possess radio sets to listen to radio educational programs in the house. In order to enhance the effects of broadcast education, diffusion of radio and TV sets will be essential.

(3) Radio Network

There are eleven medium-wave radio transmitting stations throughout Ethiopia for broadcasting educational programs. To enable each region to broadcast their own programs for enhanced educational effects, transmitting stations need to be fortified and expanded to cover the entire nation. Ideally, each region should have at least one transmitting station to broadcast its own educational programs according to its curriculum. The disparity between the Oromia Region with five transmitting stations and the regions without transmitting stations (Dire Dawa, Harar, Gambella, and Afar) is too great and needs to be mitigated.

Construction and expansion of medium-wave transmitting stations would not be easy, as they are restricted by various international regulations on transmitting frequency, output power, etc. Thus, usage of FM and other transmission methods should also be considered.

(4) Works to be Carried Out by the Ethiopian Side

As of the end of October 2001, the Ethiopian side was supposed to carry out the following tasks as a precondition for the implementation of the project:

- Preparation of studio buildings to install the procured equipment.
- Securing of the means to broadcast produced educational programs.

However, the preparation of studio facilities has been completed only at the following three sites: i) EMA Radio Studio, ii) Gambella Radio Studio, and iii) EMA TV Studio.

To implement the project in the remaining seven sites, the Ethiopian side is urged to exert its best efforts to complete the unfinished works as soon as possible.

(5) Technical Cooperation

The EMA staff possess high-level skills and knowledge on analog technology that have

been fostered over many years. However, as digital equipment is introduced by this project, the staff members will need to learn digital technology and associated know-how. In addition, the Regional Educational Bureaus where new radio studios are to be built will need to hire and train new engineers.

In order to enable the engineers to operate the procured equipment efficiently and effectively, basic education on digital technology, as well as detailed hands-on training on each device, will be necessary.

To this effect, dispatch of experts specialized in the operation and maintenance of digital equipment is desired.

Appendices

- 1. Member of List of the Study Team**
- 2. Study Schedule**
- 3. List of Parties Concerned**
- 4. Minutes of Discussions**

1. Member List of the Study Team

(1) Basic Design Study

Name	Assignment	Present Post
Mr. Makoto ASHINO	Leader of Basic Design Study Team	Deputy Director, Third Contact Division, Procurement Department, JICA
Mr. Kazuki SUZUKI	Technical Advisor	Section Chief, International Cooperation Division, Telecommunications Bureau, Ministry of Public Management, Home Affairs, Posts and Telecommunications
Mr. Shigeki MIYAKE	Project Coordinator	First Project Management Division, Grant Aid Management Department, JICA
Mr. Akira NAGASE	Chief Consultant / Broadcast Plan	NHK Integrated Technology Inc.
Mr. Hajime NIWA	Social Environment / Education Plan	NHK Integrated Technology Inc.
Mr. Yoshitaka SEMBON	Broadcast Equipment Plan	NHK Integrated Technology Inc.
Mr. Kenich OKUNO	Broadcast Facility Plan	NHK Integrated Technology Inc.
Mr. Fumio KANEKO	Implementation Schedule, Procurement Plan and Cost Estimation	NHK Integrated Technology Inc.

(2) Explanation of Draft Basic Design Study

Name	Assignment	Present Post
Mr. Junsaku KOIZUMI	Leader	Special Technical Advisor, Japan International Cooperation Agency
Mr. Satoshi UMEKI	Technical Advisor	Assistant Director, International Cooperation Division, Telecommunications Bureau, Ministry of Public Management, Home Affairs, Posts and Telecommunications
Mr. Yujiro YABE	Project Coordinator	Assistant Resident Representative, JICA Ethiopia Office
Mr. Akira NAGASE	Chief Consultant/ Broadcast Plan	NHK Integrated Technology Inc.
Mr. Hajime NIWA	Social Study/ Educational Planner	NHK Integrated Technology Inc.
Mr. Kenichi OKUNO	Facility Planner	NHK Integrated Technology Inc.

2. Study Schedule

(1) Basic Design Study

		Official Members			Consultant Members					
		ASHINO	SUZUKI	MIYAKE	NAGASE	NIWA	SEMBON	OKUNO	KANEKO	
1	7/16 Mon.	Lv. Japan								
2	17 Tue.	Av. Addis Ababa								
3	18 Wed.	Courtesy call on embassy of Japan, JICA Office, Ministry of Finance and Economic Development, Ministry of Education (MOE)								
4	19 Thu.	Discussion with educational Media Agency (EMA) in Inception Report, Discussion UNICEF, UNESCO								
5	20 Fri.	Addis Ababa → Dire Dawa, Site Survey in Dire Dawa Region				Discussion with EMA				
6	21 Sat.	Site Survey in Harar Region				Survey of EMA TV Studio				
7	22 Sun.	Site Survey at Alemaya Zone. Dire Dawa → Addis Ababa				Survey of EMA Radio Studio				
8	23 Mon.	Discussion with MOE & EMA on the Minutes of Discussion				Discussion with Addis Ababa Education Bureau				
9	24 Tue.					Survey of Addis Ababa Radio Studio Site				
10	25 Wed.	Signing of the Minutes of Discussion, Report to Embassy of Japan JICA Office								
11	26 Thu.	Lv. Addis Ababa		Discussion with EMA on the Site Survey Schedule						
12	27 Fri.	Lv. Frankfurt		Arrangement of the Site Survey						
13	28 Sat.	Av. Tokyo		Preparation of the Site Survey						
14	29 Sun.									
15	30 Mon.	Addis Ababa → Jimma → Mizan Teferi		Addis Ababa → Dire Dawa	Addis Ababa → Dire Dawa	Addis Ababa → Jimma → Mizan	Addis Ababa → Dire Dawa			
16	31 Tue.	Survey of Mizan Teferi Radio Studio Site		Discussion with Dire Dawa REB	Discussion with Dire Dawa REB	Survey of Mizan Teferi Radio Studio	Discussion with Dire Dawa REB			
17	1 Wed.	Mizan Teferi → Jimma		Survey of Dire Dawa Radio Studio Site	Survey of Dire Dawa Radio Studio Site	Mizan Teferi → Jimma	Survey of Dire Dawa Radio Studio Site			
18	2 Thu.	Jimma → Addis Ababa		Discussion with Harar REB	Discussion with Harar REB	Jimma → Addis Ababa	Discussion with Harar REB			
19	3 Fri.	Addis Ababa → Awasa		Survey of Harar Radio Site	Survey of Harar Radio Site	Addis Ababa → Awasa	Survey of Harar Radio Site			
20	4 Sat.	Discussion with SNNP REB Awasa → Addis Ababa		Survey of Alemaya Zone	Survey of Alemaya Zone	Discussion with SNNP REB Awasa → Addis Ababa	Survey of Alemaya Zone			
21	5 Sun.	Addis Ababa → Assaita		Dire Dawa → Addis Ababa	Dire Dawa → Addis Ababa	Addis Ababa → Assaita	Dire Dawa → Addis Ababa			
22	6 Mon.	Discussion with Afar REB		Discussion with GTZ	Addis Ababa → Gambella	Discussion with Afar REB	Addis Ababa → Gambella			
23	7 Tue.	Survey of Semera Radio Studio Site		Discussion with EMA	Discussion with Gambella REB	Survey of Semera Radio Studio Site	Discussion with Gambella REB			
24	8 Wed.	Semera → Addis Ababa		Discussion with EMA	Survey of Gambella Radio Studio Site	Addis Ababa → Mekelle	Survey of Gambella Radio Studio Site			
25	9 Thu.	Addis Ababa → Mekelle		Addis Ababa → Mekelle	Gambella → Addis Ababa	Addis Ababa → Mekelle	Gambella → Addis Ababa			
26	10 Fri.	Discussion with Tigray REB		Discussion with Tigray REB	→ Addis Ababa	Discussion with Tigray REB	→ Addis Ababa			
27	11 Sat.	Survey of Mekelle TV Studio Site		Survey of Mekelle TV Studio Site	Filing of collected Data	Survey of Mekelle TV Studio Site	Filing of collected Data			
28	12 Sun.	Mekelle → Addis Ababa		Mekelle → Addis Ababa	Filing of collected Data	Mekelle → Addis Ababa	Filing of collected Data			
29	13 Mon.			Discussion with USAID	Discussion with USAID					
30	14 Tue.									
31	15 Wed.	Detailed Study on Broadcast Plan		Detailed Study on Social Environment/Educate Plan	Detailed Study on Equipment Plan	Detailed Study on Facility Plan	Detailed Study on the Procurement plan/ Cost Estimation			
32	16 Thu.									
33	17 Fri.									
34	18 Sat.									
35	19 Sun.									
36	20 Mon.									
37	21 Tue.									
38	22 Wed.					Lv. Addis Ababa				
39	23 Thu.					Lv. Frankfurt				
40	24 Fri.					Av. Tokyo				

(2) Explanation of Draft Basic Design Study

		Office Members			Consultant Members		
		KOIZUMI	UMEKI	YABE	NAGASE	NIWA	OKUNO
1	10/28 Sun.	Lv. Tokyo			Lv. Tokyo		
2	29 Mon	Av. Addis Ababa Courtesy call on Embassy of Japan, JICA office, Ministry of Finance and Economic Development			Av. Addis Ababa Courtesy call on Embassy of Japan, JICA office, Ministry of Finance and Economic Development		
3	30 Tue.	Explanation of Draft Report (Ministry of Education, Educational Media Agency)					
4	31 Wed	Explanation of Draft Report (Regional Education Bureaus)					
5	11/ 1 Thu.	Discussion on Minutes				Supplementary Survey	
6	2 Fir.	Signing of Minutes, Report to Embassy of Japan, JICA Office					
7	Sat.	Lv. Addis Ababa			Supplementary Survey		
8	4 Sun.						
9	5 Mon	Av. Tokyo					
10	6 Tue.				Report to Embassy of Japan, JICA Office		
11	7 Wed				Lv. Addis Ababa		
12	8 Thu.				Av. Tokyo		

3. List of Parties Concerned

Ministry of Finance and Economic Development

Mr. Hailemichael KINFU	Head, Bilateral Cooperation Department
Mr. Tamirat Kediro	Team Leader Asia, Australia, the Middle East Countries
Mr. Gebremedhine Birega	Expert, Asia, Australia and Middle East Desk, Department for Bilateral Cooperation

Ministry of Education

Mr. Teferi Hagos Desta	Head, Planning and Project Dept.
Mr. Tesfaye Kelemework	Acting Head, Planning and Project Dept.
Mr. Bayc Denekew	Project Expert, Planning and Project Dept.
Mr. Setotaw Yimam	ESDP Secretariat Coordinator, Planning and Project Dept.
Mr. Belaynesh W/Giorgis	Projects Expert, Planning and Project Dept.

Educational Media Agency (EMA)

Mr. Demissew Bekele Mulugeta	General Manager
Mr. Assefa Demeke	Head Engineering & Technical Coordination
Mr. Makonnen Dechassa	Head of TV Studio
Mr. Fakadu Mergia	Head of Radio Studio
Mr. Zenabu Teka	Head of Administration and Finance
Mr. Kaleab Goitoom	Head of Educational Media Program Production Coordination
Mr. Wolde Andre	Head of Educational Media Program Research and Documentation
Mr. Amsalu Amente	Head of Studio Operation, Studio Panel
Ms. Tsehay Bekana	English Radio Panel

World Bank

Mr. Getahum Gebru	Senior Operation Officer, Human Development
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UNICEF

Mr. Rama Chandra	Chief, Education
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UNESCO

Prof. Almaz Eshete	Director
Mr. Foy king Chung	Director

USAID

Mr. Aberra Makonnen	Advisor, Planning Dept.
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SIDA

Ms. Adeye Befecadu	National Program Officer
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GTZ

Dr. Bernd Sandhaas	Project Director
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ADDIS ABABA Region

Addis Ababa Education Bureau

Mr. Tesfay Klnesslasse	Deputy Head of Education Bureau
Mr. Tesfamariam Gebremariam	Head, Educational Media
Mr. Tesfaye Gebre Meskel	Training and Research Officer
Mr. Messele Fitru	Production Technician

DIRE DAWA Region

Dire Dawa Education Bureau

Mr. Ahmed Ragie	Head, Education and Culture
Mr. Chanyalew Tefera	Head, Education Support Dept.
Mr. Melaku Limenih	Expert
Mr. Saed Hassen	Expert, Planning and Program Dept.
Mr. Ghidey Gebre Sellassie	Head, Curriculum Development
Mr. Mengistu Haile	Head, Planning and Supervision Dept.
Mr. Tamirat H/Mariam	Head, Education Planning and Program
Mr. Masresha Chekol	Head, Education Administration and Finance
Mr. Abegaz Mekuria	Head of Adult Dept.

AFAR Region

Afar Education Bureau

Mr. Said Mohammed	Acting Head of Education Bureau
Mr. Ejegu Mekonnen	Team Leader, Education Media
Mr. Mekonnen Gorfu	Acting Head, Education Program Supervision Dept.
Mr. Ahmed Seid	Head, Education Team
Mr. Mathias Temesgen	Head, Public Relations & Information Service

TIGRAY Region

Tigray Education Bureau

Dr. Adhana Haile Adhana	Head of Education Bureau
Ms. Atsede Beyne T/Medhim	Deputy Head of Education Bureau
Mr. Tadele	Head, Planning Dept.
Mr. Meressa G/Mecchia T. Mariam	Head, Education Media Dept.
Mr. Abraha Asfaw Ambaye	Head, Curriculum Dept.
Mr. Giday Gebrebanos Bahta	Radio Technician

Mekelle Senior Secondary School

Mr. Assefa Wolde Giorgis	Director
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Telahum Yiggaw Comp. Secondary School

Mr. Megus Kebedom	Director
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Atse Yohannes Comp. Secondary School

Mr. Hailu Mehari	Director
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Atse Yohannes Comp. Elementary School

Mr. Gebyow Tesfai	Director
--------------------------	-----------------

Ethiopian Customs Authority

Mr. Sileshi Getachew	Head, Freight and Passengers Operation's Control
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Ethiopian Radio & Television

Mr. Nigussie Demissie

Mr. Zegeye Solomon

Mr. Getachew Beka

Head of Radio Engineering

Head of Studio Maintenance & Installation

Embassy of Japan

Mr. Hiroyoshi Ihara

Mr. Yoshimasa Tezuka

Mr. Kazuhiro Fukuda

Ambassador

Minister- Councilor

Second Secretary

JICA Ethiopia Office

Mr. Yoshinori Ebata

Mr. Yujiro Yabe

Resident Representative of JICA

Assistant Resident Representative

4. Minutes of Discussions

**MINUTES OF DISCUSSIONS
ON THE BASIC DESIGN STUDY ON THE PROJECT FOR
THE CONSOLIDATION OF EDUCATIONAL TELEVISION
AND
RADIO RECORDING STUDIOS
IN
THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA**

Based on the results of Preparatory Study, the Government of Japan decided to conduct a Basic Design Study on the Project for the Consolidation of Educational Television and Radio Recording Studios (hereinafter referred to as "the Project") and entrusted the study to the Japan International Cooperation Agency (hereinafter referred to as "JICA").

JICA sent to the Federal Democratic Republic of Ethiopia (hereinafter referred to as "the Ethiopia") the Basic Design Study Team (hereinafter referred to as "the Team"), which is headed by Mr. Makoto Ashino, Deputy Director, Third Contract Division, Procurement Department, JICA, and is scheduled to stay in the country from 17th July 2001 to 26th July 2001.

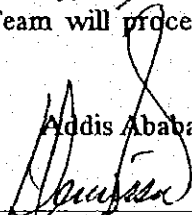
The Team held discussions with the officials concerned of the Government of Ethiopia and conducted a field survey at the study area.

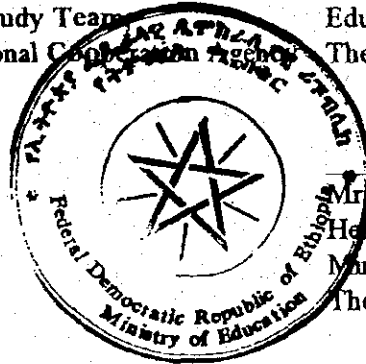
As a result of the discussions and field survey, both sides agreed upon the main items described on the attached sheets. The Team will proceed to further works and prepare the Basic Study Report.

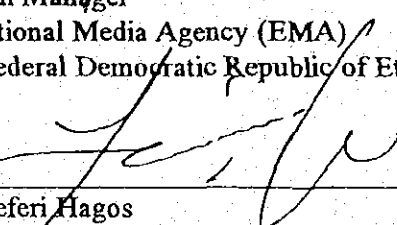
Addis Ababa, 25th July 2001

芳野 誠


Mr. Makoto Ashino
Leader,
Basic Design Study Team
Japan International Cooperation Agency
Japan


Mr. Demissew Bekele
General Manager
Educational Media Agency (EMA)
The Federal Democratic Republic of Ethiopia




Mr. Teferi Hagos
Head, Planning and Project Department,
Ministry of Education
The Federal Democratic Republic of Ethiopia

Witness:


Mr. Hilemichael Kinfu
Head, Bilateral Cooperation Department,
Ministry of Economic Development and Cooperation
The Federal Democratic Republic of Ethiopia

ATTACHMENT

1. Objective of the Project

The Objective of the Project is to improve educational access, quality, equity and efficiency of education in rural area in Ethiopia by strengthening educational television and radio recording studios.

2. Project sites

The sites requested by Ethiopian side are as follows. The location map is shown in Annex- I .

(1) Radio Studio

	Region	City
1)	EMA	Addis Ababa
2)	Addis Ababa	Addis Ababa
3)	Afar	Semera
4)	Oromiya	Alemaya
5)	Dire Dawa	Dire Dawa
6)	Gambella	Gambella
7)	Harari	Harar
8)	SNNP	Mizan Teferi

(2) Television studio

	Region	City
1)	EMA	Addis Ababa
2)	Tigray	Mekelle

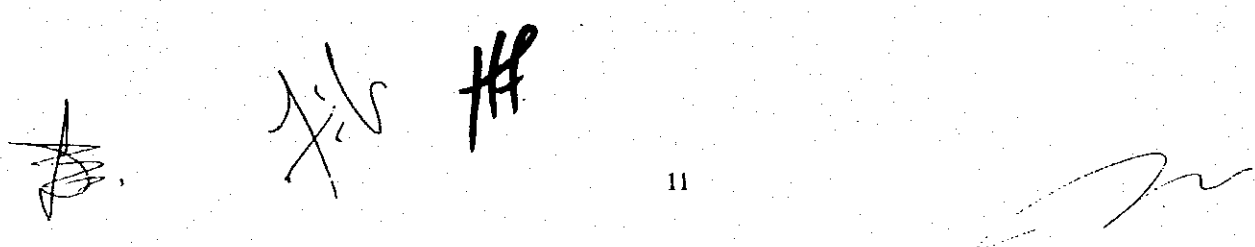
3. Responsible and Implementing Agency

3-1. The Responsible Agency is the Ministry of Education (MOE).

3-2. The Implementing Agency is the Educational Media Agency (EMA).

4. Items requested by the Government of Ethiopia

After discussions with the Team, the items described in Annex-II were finally requested by the Ethiopian side. The items are given the priority order and JICA will assess the appropriateness of the requested items and will report the findings to the Government of Japan after field survey is completed by consultants.



5. Japan's Grant Aid Scheme

The Ethiopian side understood that the Japan's Grant Aid Scheme should be implemented as explained by the Team and as described in Annex-III.

6. Necessary measures to be taken by the Ethiopian side

The Ethiopian side will take necessary measures, as described in Annex-IV, for smooth implementation of the Project, as a condition for the Japanese Grant Aid to be implemented.

7. Schedule of the Study

7-1. The consultants will proceed to further study in Ethiopia until 22nd August, 2001.

7-2. JICA will prepare the draft report in English and dispatch a mission to Ethiopia in order to explain its contents around October, 2001.

7-3. In case that the contents of the report are accepted in principle by the both Ethiopian side and the Japanese side, JICA will complete the final report and send it to the Ethiopian side around January, 2002.

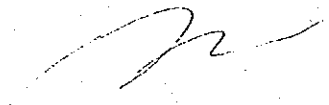
8. Other relevant issues

8-1. The final contents of the Project (Site and Items) will be determined according to site survey and analysis in Japan with discussions between the Ethiopian side and the Japanese side.

8-2. Both sides confirmed that the present situation of studios is shown in Annex-V.

8-3. Both sides understood that securing appropriate buildings and enough space for radio recording studios and television studios provided by the Ethiopian side is indispensable to determine the implementation of the project. By the time explanation of a draft final report is prepared, the Ethiopian side will secure enough budget for construction of the studios and prepare the construction schedule.

8-4. The Team pointed out that there is information on the existence of security problems in some of the identified sites of the project, and insisted to exclude the site(s) where security problems might arise from the project. The Ethiopian side assured to the Team that there is no security threat in any of the identified sites. However, due to the insistence of the Team, if in case of any problem arises in due course, both sides have agreed to consult and take appropriate measures to resolve the problems accordingly. The Team further argued if no resolving the problem(s) is reached that the site(s) under the question be excluded from the project. The Ethiopian side, however, insisted to have more consultation for alternative solutions rather than going to automatic exclusion of sites.



8-5. The Team pointed out that the congestion of broadcasting time schedule at Alemaya transmitting station should be eased and EMA and the respective regions must coordinate the time schedule for broadcasting programs fairly among Dire Dawa, Harari and Oromia regions. The Ethiopian side agreed to coordinate broadcasting time schedule fairly not only at Alemaya transmitting station but also the transmitting stations where more than one region are using the same station for broadcasting in relation to Japan's Grant Aid Projects until the Ethiopian side secures enough budget to renovate transmitting equipment by the end of October, 2001.

Both sides agreed that the consolidation of radio and TV recording equipment is more prioritized than the consolidation of transmitting equipment.

8-6. The Ethiopian side requested the Japanese side to dispatch a maintenance engineer of broadcast equipment and TV and radio program producers to Ethiopia for the sustainability of the project as well as technical training of counterpart personnel in Japan.

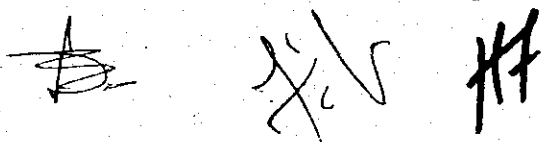
8-7. The Ethiopian side is committed to secure enough budget and staff for operation and maintenance of equipment procured under the Japan's Grant Aid.

8-8. The Ethiopian side clearly stated that the project is consistent with the concept and component of the Educational Sector Development Program (ESDP) and the project makes a great contribution to ESDP.

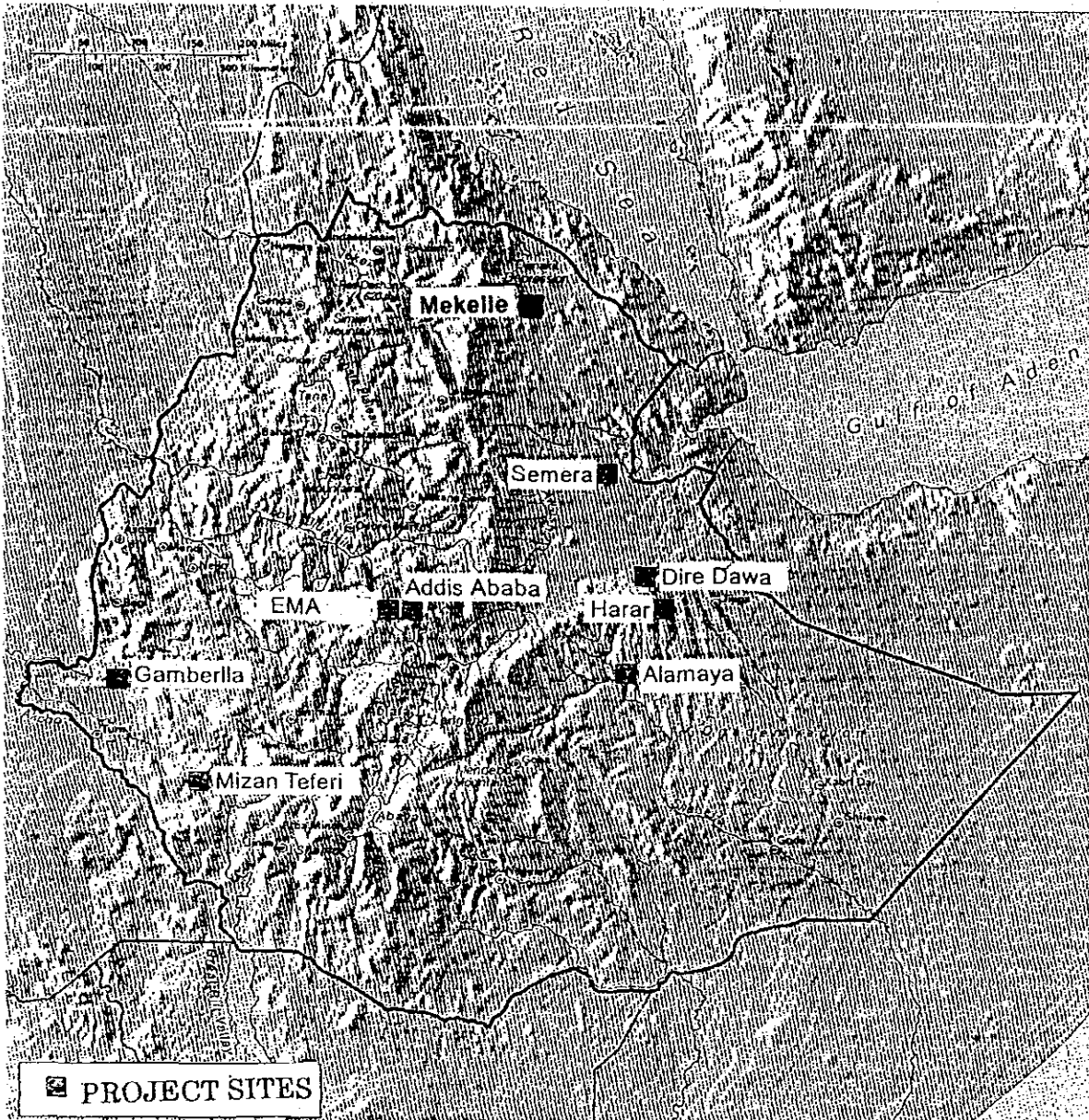
8-9. The Ethiopian side agreed to take necessary measures and secure the required budget for custom clearance in consultation with the Ministry of Finance and MEDaC.

8-10. By 28th July, 2001, The Ethiopian side shall collect necessary data and respond to the Questionnaire submitted by the Team.

8-11. The Ethiopian side agreed that EMA staff should accompany with the study members to each site and travel expenses of EMA staff should be borne by EMA side.



Project Sites Requested by Ethiopian Side



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Items Requested by the Ethiopian Side

Radio Studio Equipment for EMA

(Priority Order: A (Top), B (Second), C(Third))

Equipment Name		
	Quantity	Priority
1) Radio Recording Studio (Studio No.1)		
• Microphone and cable with connectors	5 sets	A
• Audio Mixer (16 input, 6 output and monitor)	1 set	A
• CD Player	2 sets	A
• CD Recorder	2 sets	A
• CD Disk	1 lot	A
• Cassette tape recorder	1 set	A
• Audio monitoring equipment (Amp & SP)	2 sets	A
• Operation Desk	1 set	A
• Cable and connector	1 lot	A
2) Radio Recording Studio (Studio No.2)		
• Microphone and cable with connectors	5 sets	C
• Audio Mixer (10 input, 6 output and monitor)	1 set	C
• CD Player	2 sets	C
• CD Recorder	2 sets	C
• CD Disk	1 lot	C
• Cassette tape recorder	1 set	C
• Audio monitoring equipment (Amp & SP)	2 sets	C
• Operation Desk	1 set	C
• Cable and connector	1 lot	C
3) CD Duplication Room		
• 1 master , 11 slaves with reserves (1 master & 3 slaves)	1 set	A
• Audio monitor equipment	1 set	A
• Operation Desk	1 set	A
• Cable and connector	1 lot	A
4) CD Editing Room		
• CD editing system	1 set	C
• Audio monitoring equipment	1 set	C
• Operation Desk	1 set	C
• Cable and connector	1 lot	C
5) Maintenance Workshop Room		
• Volt/Current multi meter	2 sets	A
• Oscilloscope	1 set	A
• Audio signal test generator	1 set	A
• Tool kits	5 sets	A
• Reserve CD player	2 sets	B

Items Requested by the Ethiopian Side

Radio Studio Equipment for Regional Education Bureau

(Addis Ababa, Afar, Dire Dawa, Gambella, Harar, Oromia, SNNP)

for each

Equipment Name		
	Quantity	Priority
1) Radio Recording Studio (Studio No.1)		
• Microphone and cable with connectors	5 sets	A
• Audio Mixer (16 input, 6 output and monitor)	1 set	A
• CD Player	2 sets	A
• CD Recorder	2 sets	A
• CD Disk	1 lot	A
• Cassette tape recorder	1 set	A
• Audio monitoring equipment (Amp & SP)	2 sets	A
• Operation Desk	1 set	A
• Cable and connector	1 lot	A
2) CD Duplication Room		
• 2 master , 3 slaves	1 set	A
• Audio monitor equipment	1 set	A
• Operation Desk	1 set	A
• Cable and connector	1 lot	A
3) CD Editing Room		
• CD editing system with small type UPS	1 set	A
• Audio monitoring equipment	1 set	A
• Operation Desk	1 set	A
• Cable and connector	1 lot	A
4) Maintenance Workshop Room		
• Volt/Current multi meter	2 sets	A
• Oscilloscope	1 set	A
• Audio signal test generator	1 set	A
• Tool kits	5 sets	A
• Reserve CD player	1 set	C
• Reserve CD recorder	1 set	A
• Reserve cassette tape recorder	1 set	A
5) Power supply equipment		
• Automatic voltage regulator	1 set	A
• Engine-generator	1 set	C

Items Requested by the Ethiopian Side

TV Studio Equipment for EMA and Mekelle for each

Equipment Name		
	Quantity	Priority
1) TV studio		
a) Video Equipment		
• Vision Production Mixer	1 set	A
• Color TV Studio Camera Chain	3 sets	A
• VTR	3 sets	A
• Character Generator	1 set	A
• Color Bar Generator	1 set	A
• Sync. Generator	1 set	A
• Vector Scope	1 set	A
• Waveform Monitor	1 set	A
• TBC	1 set	C
• Video Distribution Amp.	1 lot	A
• 20 inch Color Picture Monitor	4 sets	A
• 14 inch Color Picture Monitor	15 sets	A
• Monitor Shelf	1 set	A
• System Rack	1 set	A
• Lighting controller	1 set	A
• Lighting house & lamps	1 lot	A
• Operation desk	1 set	A
• Cable with connector	1 lot	A
b) Audio Equipment		
• Audio Mixer	1 set	A
• Microphone & cable with connectors	10 sets	A
• CD Player	2 sets	C
• CD Recorder/Player	2 sets	A
• Cassette Tape Reorder	2 sets	A
• Audio Monitor Amp.	3 sets	A
• Audio Monitor Speaker	3 sets	A
• Audio Monitor Speaker with Amp.	2 sets	A
• Audio distribution amplifier	1 lot	A
• Sound effector	1 set	A
• Inter Communication System Unit	1 set	A
• Tally Control Unit	1 set	A
• On-Air Light Control Unit	1 set	A
• System Rack	1 set	A
• Operation Desk	1 set	A
• Cable with connector	1 lot	A
2) Potable Video recording system	2 sets	A

Equipment Name		
	Quantity	Priority
3) Master Control Room		
• Audio/Video Matrix Switcher	1 set	A
• Monitor Select Switch	1 set	A
• VTR	3 sets	A
• TV Signal Generator	1 set	A
• Sync. Generator	1 set	A
• Vector Scope	1 set	A
• Video Distribution Amplifier	1 lot	A
• Audio Distribution Amplifier	1 lot	A
• Waveform Monitor	1 set	A
• Color corrector	1 set	A
• TBC	1 set	C
• 20 inch Color Monitor	1 set	A
• 14 inch Color Monitor	1 set	A
• 9 inch Color Monitor	3 sets	A
• Audio Monitor Speaker with Amp.	2 sets	A
• Microwave System with Reserve	1 set	A
• System Rack	1 set	A
• Monitor Shelf	1 set	A
• Cable with connector	1 lot	A
4) Video Tape Editing Room		
a) A/B roll Editing System		
• VTR (Player)	2 sets	A
• TVR (Recorder)	1 set	A
• Video Switcher with multi digital effector	1 set	A
• Vector Scope	1 set	A
• Waveform Monitor	1 set	A
• TBC remote controller	3 sets	A
• Editing Controller	1 set	A
• Character Generator	1 set	A
• Audio Mixer	1 set	A
• 14 inch Color Monitor	4 sets	A
• Audio Monitor Speaker with Amplifier	2 sets	A
• System Rack	1 set	A
• Operation Desk	1 set	A
• Cable with connector	1 lot	A
b) Tape to Tape Editing Room (2 Rooms)		
• VTR (Player)	2 sets	1set B&1set C
• VTR (Recorder)	2 sets	1set B&1set C
• Editing controller	2 sets	1set B&1set C
• 14 inch color monitor	4 sets	2sets B&2sets C
• Audio monitor speaker with amplifier	4 sets	2sets B&2sets C
• Operation Desk	2 sets	1set B&1set C
• Cable with connector	2 lots	1lot B&1lot C
c) Non Liner Editing Room		
• Driver with small type UPS	1 set	A
• Computer Display	1 set	A
• Reference monitor	1 set	A

Equipment Name	Quantity	Priority
• VTR	1 set	A
• Key board	1 set	A
• Effect generator	1 set	A
• Cable with connector	1 lot	A
5) VHS Video Tape Duplicator		
• Master VTR with reserves	1 set	A
• VHS Video Record with reserve	4 sets	A
• Audio distribution Amplifier	1 set	A
• Video distribution Amplifier	1 set	A
• Remote control unit	1 set	A
• Monitor switcher	1 set	A
• Audio monitor	2 sets	A
• 14 inch picture monitor	2 sets	A
• Cable with connector	1 lot	A
6) Video Tape Logging Room		
• VTR player	3 sets	A
• 14 inch color monitor	3 sets	A
• VTR controller	3 sets	A
• Cable with connector	1 lot	A
7) Power Supply Equipment		
• Automatic Voltage regulator	1 set	A
• Non Stop supply unit	1 set	C
• Engine Generator	1 set	C
8) Maintenance Room		
• Recommended Measuring Equipment for TV Studio	1 lot	A
• Recommended Too kits	5 sets	A
9) Install Materials	1 lot	A
10) Recommended Spare parts for TV use	1 lot	A

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Annex-III Japan's Grant Aid Programme

1. Grant Aid Procedures

- a. Japan's Grant Aid Program is executed through the following procedures.
- Application (A request made by the recipient country)
 - Study (Basic Design Study conducted by JICA)
 - Appraisal & Approval (Appraisal by the Government of Japan and Approval by the Cabinet of Japan)
 - Determination of (Exchange of Notes between the Governments of Implementation Japan and the recipient country)

- b. Firstly, the application or request for a Grant Aid project submitted by a recipient country is examined by the Government of Japan (the Ministry of Foreign Affairs) to determine whether or not it is eligible for Grant Aid. If the request is deemed appropriate, the Government of Japan assigns JICA (Japan International Cooperation Agency) to conduct a study on the request.

Secondly, JICA conducts the study (Basic Design Study) using (a) Japanese consulting firm(s).

Thirdly, the Government of Japan appraises the project to see whether or not it is suitable for Japan's Grant Aid Programme, based on the Basic Design Study Report prepared by JICA, and the results are then submitted to the Cabinet for an approval.

Fourthly, the project, once approved by the Cabinet, becomes official with the Exchange of Notes signed by the Governments of Japan and recipient country.

Finally, for the implementation of the project, JICA will assist the recipient country in such matters as preparing tenders, contract and so on.

2. Basic Design Study

a. Contents of the study

The aim of the Basic Design Study (hereafter referred to as "the Study") conducted by JICA on a requested project (hereafter referred to as "the Project") is to provide a basic document necessary for the appraisal of the Project by the Government of Japan. The contents of the Study are as follows:

- a) Confirmation of the background, objectives, and benefits of the Project and also institutional capacity of agencies concerned of the recipient country necessary for the Project's implementation.
- b) Evaluation of the appropriateness of the Project to be implemented under the Grant Aid Scheme from a technical, social and economic point of view.

c) Confirmation of items agreed on by both parties concerning the basic concept of the Project.

d) Preparation of a basic design of the Project.

e) Estimation of costs of the Project.

The contents of the original request are not necessarily approved in their initial form as the contents of the Grant Aid project. The Basic Design of the Project is confirmed considering the guidelines of the Japan's Grant Aid Scheme.

The Government of Japan requests the Government of the recipient country to take whether measures are necessary to ensure its self-reliance in the implementation of the Project. Such measures must be guaranteed even though they may fall outside of the jurisdiction of the organization in the recipient country actually implementing the Project. Therefore, the implementation of the Project is confirmed by all relevant organizations of the recipient country through the Minutes of Discussions.

b. Selection of Consultants

For smooth implementation of the Study, JICA uses (a) registered consultant firm(s). JICA select (a) firm(s) based on proposals submitted by interested firms. The firm(s) selected carry(ies) out a Basic Design Study and write(s) a report, based upon terms of reference set by JICA.

The consultant firm(s) used for the Study is(are) recommended by JICA to the recipient country to also work on the Project's implementation after the Exchange of Notes, in order to maintain technical consistency and also to avoid undue delay in implementation should the selection process be repeated.

3. Japan's Grant Aid Scheme

a. Grant Aid

The Grant Aid Programme provides a recipient country with non-reimbursable funds to procure the facilities, equipment and services (engineering services and transportation of the products, etc.) for economic and social development of the country under principles in accordance with the relevant laws and regulations of Japan. Grant Aid is not supplied through the donation of materials as such.

b. Exchange of Notes (E/N)

Japan's Grant Aid is extended in accordance with the Notes exchanged by the two Governments concerned, in which the objectives of the Project, period of execution, conditions and amount of the Grant Aid, etc., are confirmed.

c. Period

"The period of the Grant Aid" means the one fiscal year which the Cabinet approves the

Project for. Within the fiscal year, all procedures such as exchanging of the Notes, concluding contracts with (a) consultant firm(s) and (a) contractor(s) and final payment to them must be completed.

However, in case of delays in delivery, installation or construction due to unforeseen factors such as weaener, the period of the Grant Aid can be further extended for a maximum of one fiscal year at most by mutual agreement between the two Governments.

d. Purchase of the Products and or Services

Under the Grant Aid, in principle, Japanese products and services including transport or those of the recipient country are to be purchased.

When the two Governments deem it necessary, the Grant Aid may be used for the purchase of the products or services of a third country.

However, the prime contractors, namely, consulting constructing and procurement firms, are limited to "Japanese nationals". (The term "Japanese nationals" means persons of Japanese nationality or Japanese corporations controlled by persons of Japanese nationality.)

e. Necessity of "Verification"

The Government of recipient country or its designated authority will conclude contracts denominated in Japanese yen with Japanese nationals. Those contracts shall be verified by the Government of Japan. This "Verification" is deemed necessary to secure accountability to Japanese taxpayers.

f. Undertakings required of the Government of the Recipient Country

In the implementation of the Grant Aid project, the recipient country is required to undertake such necessary measures as the following:

- a) To secure land necessary for the site of the Project and to clear, level and reclaim the land prior to commencement of the construction.
- b) To provide facilities for distribution of electricity, water supply and drainage and other incidental facilities in and around the sites.
- c) To secure building prior to the procurement in case the installation of the equipment.
- d) To ensure all the expenses and prompt execution for unloading customs clearance at the port of disembarkation and internal transportation of the products purchased under the Grant Aid.
- e) To exempt Japanese nationals from customs duties, international taxes and other fiscal levies which will be imposed in the recipient country with respect to the supply of the products and services under the Verified Contracts.
- f) To accord Japanese nationals whose services may be required in connection with the

supply of the products and services under the Verified Contracts, such facilities as may be necessary for their entry into the recipient countries and stay therein for the performance of their work.

g) Proper Use

The recipient country is required to maintain and use facilities constructed and equipment purchased under the Grant Aid properly and effectively and to assign staff necessary for this operation and maintenance as well as to bear all the expenses other than those covered by the Grant Aid.

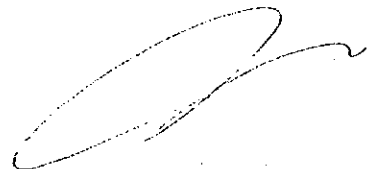
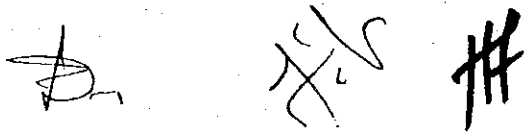
h) Re-export

The products purchased under the Grant Aid should not be re-exported from the recipient country.

i) Banking Arrangements (B/A)

① The Government of the recipient country or its designated authority should open an account in the name of the Government of the recipient country in an authorized foreign exchange bank in Japan (hereinafter referred to as "the Bank"). The Government of Japan will execute the Grant Aid by making payments in Japanese yen to cover the obligations incurred by the Government of the recipient country or its designated authority under the Verified Contracts.

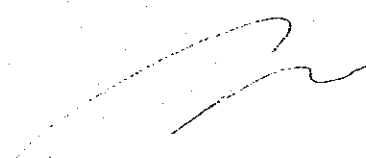
② The payments will be made when payment requests are presented by the Bank to the Government of Japan under an authorization to pay issued by the Government of the recipient country or its designated authority.



Annex-IV Major Undertakings to be taken by Each Government

No.	Items	To be covered by Grant Aid	Ethiopia
1	To secure land		○
2	To construct the building		○
3	To provide facilities for the distribution of electricity, water supply, drainage and other incidental facilities.		○
4	To bear the following commissions to bank of Japan for the banking services based upon the B/A		
	1) Advising commission of A/P		○
	2) Payment commission		○
5	To ensure prompt unloading and customs clearance at the port of disembarkation in Ethiopia.		
	1) Marine (Air) transportation of the products from Japan to Ethiopia	○	
	2) Tax exemption and custom clearance of the products at the port of disembarkation		○
	3) Internal transportation from the port of disembarkation to the project site	○	
6	To accord Japanese nationals whose services may be required in connection with the supply of the products and the services under the verified contract such facilities as may be necessary for their entry into Ethiopia and stay therein for the performance of their work.		○
7	To exempt Japanese nationals from customs duties, internal taxes and other fiscal levies which may be imposed in Ethiopia with respect to the supply of the products and services under the verified contract		○
8	To maintain and use properly and effectively the facilities constructed and equipment provided under the Grant Aid		○
9	To bear all the expenses, other than those to be borne by the Grant Aid, necessary for the transportation and installation of the equipment		○





Annex V

Radio	Latest Situation on Construction of Studio Building	TV	Latest Situation on Construction of Studio Building
Addis Ababa	Has obtained a building with the ground floor for a studio	EMA	Has the existing studio for equipment installation
Afar	Has secured the site and has put up an advertisement for studio construction and is on process of analyzing the winner.	Tigray	Has obtained the site and the fund for the construction
Dire Dawa	Has obtained the site and got the fund from an NGO for the construction of the studio.		
Gambella	Has constructed a recording studio and a transmitter house.		
Harari	Has obtained the site and the fund for construction.		
SNNP	Has obtained the site and the fund for construction.		
Oromia	Nothing has been done since it was not known that the request was accepted by JICA until this team arrived in Ethiopia. But the Region is willing to arrange what is required the soonest possible time.		
EMA	One existing studio is ready to accommodate the new equipment.		

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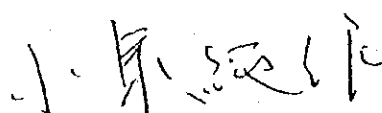
MINUTES OF DISCUSSIONS
ON THE BASIC DESIGN STUDY ON THE PROJECT FOR
THE CONSOLIDATION OF EDUCATIONAL TELEVISION
AND
RADIO RECORDING STUDIOS
IN
THE FEDERAL DEMOCRATIC REPUBLIC OF ETHIOPIA
(CONSULTATION ON DRAFT REPORT)

In July 2001 the Japan International Cooperation Agency (JICA) conducted a Basic Design Study on the Project for the Consolidation of Educational Television and Radio Recording Studios (hereinafter referred to as "the Project") to the Federal Democratic Republic of Ethiopia (hereinafter referred to as "the Ethiopia"), and through discussions, site surveys, and technical examination of the results in Japan, JICA prepared the draft report of the study.

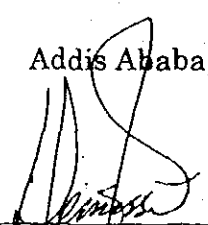
In order to explain and to consult the Ethiopian side on the components of the draft report, JICA sent to the Ethiopia the Draft Report Explanation Team on the Basic Design Study (hereinafter referred to as "the Team"), which is headed by Mr. Junsaku Koizumi, Special Technical Adviser, JICA Headquarters from 29th October to 3rd November, 2001.

As a result of discussions, both sides have confirmed the main items described on the attached sheet.

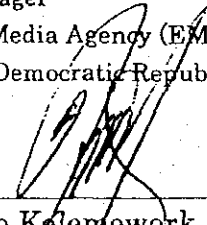
Addis Ababa, 2nd November, 2001



Mr. Junsaku Koizumi
Leader
Basic Design Study Team
Japan International Cooperation Agency
(JICA)

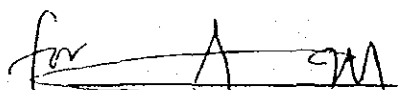


Mr. Demissew Bekele
General Manager
Educational Media Agency (EMA)
The Federal Democratic Republic of Ethiopia



Mr. Tesfaye Kelemework
Acting Head, Planning and Projects Department,
Ministry of Education
The Federal Democratic Republic of Ethiopia

Witness:



Mr. Hailemichael Kinfu
Head, Bilateral Cooperation Department,
Ministry of Finance and Economic Development
The Federal Democratic Republic of Ethiopia

ATTACHMENT

1. Contents of the Draft Report

The Government of Ethiopia agreed and accepted in principle the contents of the draft report explained by the Team.

2. Japan's Grant Aid Scheme

The Ethiopian side understands the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Ethiopia as explained by the Team and as described in the Minutes of Discussions signed by both parties on 25th July 2001.

3. Schedule of the Study

JICA will complete the final report after further study in accordance with the discussed items and send it to the Government of Ethiopia in January 2002.

4. Other Relevant Issues

(1) Critical Points to Implement the Project

The critical points explained by the Team to implement the Project are as follows:

- 1) preparation of studio building in which the equipment to be installed,
- 2) securing of the transmitting facilities for produced programs.

(2) Project Site

Seeing the present condition of the requested sites by the Ethiopian side, the Team confirmed that EMA TV studio, EMA radio studio and Gambella radio studio had completed the works to be done by the Ethiopian side and are eligible for the Project.

Understanding the actual conditions of the sites described in the Draft Report (Oct. 2001), the Ethiopian side proposed that those which have met currently the conditions entered earlier as Phase-1 and those which have not met the conditions currently as Phase-2. Then, Ethiopian side requested the Team to include Mekelle TV studio to Phase-1. But the Team explained that the TV transmitting facilities to broadcast produced programs at Mekelle TV studio should be secured. The Ethiopian side understood it and would secure the TV transmitting facilities for Mekelle TV studio by the end of August 2002.

It was also requested that the studio of Mizan Teferi of SNNP and Harari's studio which are about to be completed be included in this Phase-1. But the Team insisted that the two requests were not fully ready to be considered in Phase-1.

Therefore, the Ethiopian side strongly requested that the rest seven (7) sites would be included in Phase-2, if they cleared on the mutually agreed conditions by the end of August 2002. The Team understood the request made by the Ethiopian side and promised to convey the request to the relevant authorities in Japan.

(3) Procurement of Equipment and Materials

Both sides agreed upon the equipment and materials listed in Annex— I .

(4) Further Construction of Studio Building and Equipping the Transmitting Facilities Scheduled by the Ethiopian Side

The Ethiopian side agreed upon the contents mentioned in 4. (1) above regarding measures to be undertaken by the Ethiopian side. To that effect, the Ethiopian side agreed that:

- 1) Each region shall undertake all the necessary measures to complete the construction/modification of studio buildings and equipping transmitting facilities utmost by the end of August 2002 respectively.
- 2) Each region shall report the progress of the implementation every month to EMA.
- 3) EMA shall compile the reports that are coming in from each region and send them to the Embassy of Japan through JICA Ethiopia office at the end of January, April, July and August 2002.

When all of scheduled implementation matters are completed by the end of August 2002, the Japanese side will dispatch an implementation study team to Ethiopia for confirmation.

(5) Necessary Measures to be taken by the Ethiopian side

Both sides agreed that EMA and Gambella Education Bureau will allocate enough budget and staff with appropriate technical skills to ensure proper and effective operation and maintenance of the facilities and equipment to be provided under the Project by the end of December 2002.

Both sides agreed that the CD players procured under the Japanese Grant Aid would be delivered from EMA office in Addis Ababa to each transmission studio and set up by the Ethiopian side.

(6) Customs Clearance

Both sides agreed that the Ministry of Education (MOE) shall take all the responsibility of customs clearance of procured equipment and materials after unloading at Djibouti. And MOE will secure the necessary budget for customs clearance by the end of September 2002.

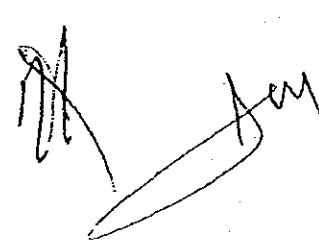
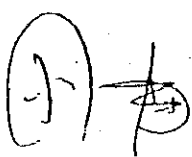
(7) Technical Assistance

The Ethiopian side requested the Team to provide equipment familiarization training for Ethiopians in Japan and to dispatch a maintenance engineer of equipment from Japan for the subsequent installation and maintenance of the equipment procured under the Japanese Grant Aid for the sustainability of the Project.

The team agreed to convey the request to the relevant authorities in Japan.

(8) Participants List

The list of participants is attached herewith. (ANNEX— II)



EQUIPMENT LIST

(1) EMA Radio Recording Studio Equipment

Equipment	Quantity	Remarks
1) Radio Recording Studio		
• Microphone	5 sets	2 Condensor Type, 3 Dynamic Type
• Audio Mixer	1 set	16 Input Digital Stereo Mixer (Professional Type)
• CD Player	2 sets	Professional Type
• CD Recorder	1 set	Professional Type
• CD Disc	1850 pcs	CD-RW
• Cassette Tape Recorder	1 set	Professional Type
• Audio Monitor for Sub Control Room	1 pair	Incl. Amplifier and Stand
• Studio Speaker	1 pair	Incl. Amplifier and Fitting Material
• Backtalk Speaker	1 set	
• Announcer Cough Controller	1 set	incl. 2 Cough Box
• Operation Disk	1 set	Mixer Table
• Audio Equipment Wagon	1 set	
• Audio Effector	1 set	1 Multi Effector, 1 Graphic Equalizer
• Audio Distribution Amplifier	2 sets	analog
• Word Sync. Generator (44.1kHz)	1 set	including distribution amplifier
• Audio Patch Panel	1 set	
• Recording Lamp	2 sets	including Control Unit
• Headphone	4 sets	2 Studio Floor, 2 Sub-Control Room
• Chair	2 sets	for mixing engineer and producer
2) CD Duplication Room		
• CD Recorder (1 Master, 6 Slaves)	1 set	Incl. Recording Control System
• Audio Monitor Speaker for Rack	1 set	2ch Amp. And Speaker built-in type
• Audio Selector	1 set	12 x 1 (Stereo Type)
• System Rack	1 set	
• Chair	1 set	
3) CD Editing Room		
• Digital Audio Editing System	1 set	Hard Disc or MO Disc Type
• CD Recorder	1 set	Professional Type
• Monitor Display	1 set	for Editing
• Audio Monitor	2 sets	with Amplifier
• Headphone	1 set	
• UPS (0.5kVA) Single Phase 220V 50Hz	1 set	
• Operation Disk	1 set	
• Chair	1 set	
4) Maintenance Workshop		
• Digital Multi Meter	1 set	
• Oscilloscope	1 set	
• Automatic Audio Analyzer	1 set	
• Tool Kit	2 sets	
• CD Recorder	2 sets	
• CD Player	2 sets	
5) Power Supply Equipment		
• AVR (10kVA) Single Phase 220V 50Hz	1 set	for Radio Studio, Editing Room, Duplication Room
6) Transmission Studio Equipment		
• CD Player for 11 Transmitting Stations	4 sets each	2 Transmission Studios respectively Professional Type
7) Spare Parts/Unit		
	1 set	
8) Installation Materials		
	1 set	for all equipment

(2) Regional Education Bureau Radio Recording Studio Equipment (Gambella, Harar, Semera, Addis Ababa, Mizan Teferi, Dire Dawa, Alemaya)

2/6

Equipment	Quantity	Remarks
1) Radio Recording Studio		
• Microphone	5 sets	2 Condensor Type, 3 Dynamic Type
• Audio Mixer	1 set	16 Input Digital Stereo Mixer (Professional Type)
• CD Player	2 sets	Professional Type
• CD Recorder	1 set	Professional Type
• CD Disc	650 pcs	CD-RW
• Cassette Tape Recorder	1 set	Professional Type
• Audio Monitor for Sub Control Room	1 pair	Incl. Amplifier and Stand
• Studio Speaker	1 pair	Incl. Amplifier and Fitting Material
• Backtalk Speaker	1 set	
• Announcer Cough Controller	1 set	incl. 2 Cough Box
• Operation Disk	1 set	Mixer Table
• Audio Equipment Wagon	1 set	
• Audio Effector	1 set	1 Multi Effector, 1 Graphic Equalizer
• Audio Distribution Amplifier	2 sets	analog
• Word Sync. Generator (44.1kHz)	1 set	including distribution amplifier
• Audio Patch Panel	1 set	
• Recording Lamp System	2 sets	including Control Unit
• Headphone	4 sets	2 Studio Floor, 2 Sub-Control Room
• Chair	2 sets	for mixing engineer and producer
2) CD Duplication Room		
• CD Recorder (1 Master, 1 Slave)	1 set	Incl. Recording Control System
• Audio Monitor Speaker for Rack	1 set	2ch Amp. And Speaker built-in type
• Audio Selector	1 set	4 x 1 (Stereo Type)
• System Rack	1 set	
• Chair	1 set	
3) CD Editing Room		
• Digital Audio Editing System	1 set	Hard Disc or MO Disc Type
• CD Recorder	1 set	Professional Type
• Monitor Display	1 set	for Editing
• Audio Monitor	2 sets	with Amplifier
• Headphone	1 set	
• UPS (0.5kVA) Single Phase 220V 50Hz	1 set	
• Operation Disk	1 set	
• Chair	1 set	
4) Maintenance Workshop		
• Digital Multi Meter	1 set	
• Oscilloscope	1 set	
• Automatic Audio Analyzer	1 set	
• Tool Kit	2 sets	
• CD Recorder	1 sets	
5) Portable Cassette Tape Recorder		
	2 sets	incl. Microphone & Headphone
6) Power Supply Equipment		
• AVR (5kVA) Single Phase 220V 50Hz	1 set	for Radio Studio
• AVR (2kVA) Single Phase 220V 50Hz	2 sets	for Editing & Maintenance rooms
7) Spare Parts/Unit		
	1 set	
8) Installation Materials		
	1 set	for all equipment

(3) EMA TV Recording Studio Equipment

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Equipment	Quantity	Remarks
1) TV Recording Studio		
a) Video Equipment		
• Video Switcher (PAL System)	1 set	8 Input Digital Switcher (Professional Type) with Video Effector
• Color TV Studio Camera (PAL)	3 sets	2/3inch 3CCD Camera (Professional Type)
• × 18 Zoom Lens	3 sets	
• 5-inch View Finder	3 sets	
• CCU	3 sets	
• Tripod	3 sets	
• VTR Recorder (PAL)	2 sets	Digital VTR (Professional Type) with TBC Remote
• VTR Player (PAL)	2 sets	Digital VTR (Professional Type) with TBC Remote
• Character Generator (PAL)	1 set	
• Video Generator (PAL)	1 set	Analog (Video, Audio, Sync. etc.)
• Vector Scope (PAL)	1 set	
• Wave Form Monitor (PAL)	1 set	
• Time Base Corrector (PAL)	1 set	incl Remote Controller with Color Corrector function
• Color Corrector (PAL)	1 set	
• Video Distribution Amplifier (PAL)	1 set	12 Analogue, 1 Digital
• Component Decoder	1 set	
• A/D Converter	1 set	
• Video Patch Board	4 sets	
• Monitor Selector	2 sets	for Camera Control & Lighting
• 20 inch Color Monitor (PAL)	2 sets	for Sub Control Room
• 14 inch Color Monitor (PAL)	13 sets	for Sub Control Room
• 9 inch Color Monitor (PAL)	3 sets	for Sub Control Room
• 29 inch Color Monitor (PAL)	2 sets	For Studio Floor
• Monitor Shelf	1 set	
• System Rack	2 sets	
• System Console	1 set	
• Table for Character Generator	1 set	
• Chair	4 sets	
b) Audio Equipment		
• Audio Mixer	1 set	16 Input Digital Mixer
• Microphone	10 sets	2 Condensor Type, 4 Lavalier Type, 4 Dynamic Type
• CD Recorder	1 set	Professional Type
• CD Player	1 set	Professional Type
• Cassette Tape Recorder	1 set	Professional Type
• Monitor Speaker for Sub Control Room	4 sets	with Amplifier
• Studio Monitor Speaker	2 sets	with Amplifier
• Audio Monitor Speaker for Rack	4 sets	2CH Amplifier and Speaker built-in type
• Monitor Speaker for Talk back	1 set	with Amplifier
• Audio Distribution Amplifier	2 sets	1 analog, 1 digital
• D/A Converter	1 set	
• Audio Effector	2 sets	1 Multi Effector, 1 Graphic Equalizer
• Word Sync. Generator (44.1kHz)	1 set	including Distribution Amplifier
• Intercom System	1 set	
• Tally Control Unit	1 set	
• ON-AIR Lamp Control Unit	1 set	
• Headphone	2 sets	
• Audio Selector	1 set	for CD & Cassette monitor
• Audio Delay Unit	1 set	for Phase Adjustment
• Audio Patch Panel	3 sets	2 analog, 1 digital
• Audio Equipment Wagon	1 set	
• System Console	1 set	
• Table for Video Monitor	1 set	
• Chair	1 set	

Equipment	Quantity	Remarks
		4/6
c) Lighting Equipment		
• Dimmer Rack	1 set	Power Supply 48kVA (Professional Type)
• Lighting Control Board	1 set	24ch x 3-scene
• Lighting Table	1 set	
• Spot Light (1kW)	8 sets	
• Spot Light (650W)	16 sets	Fresnel Lens
• Flood Light 500W x 2	12 sets	
• Horizon Light 500W	6 sets	
• Hanging Device	36 sets	Pantograph Type
• Socket	12 sets	for 12 Extend Circuit
• Lamp (1kW)	40 sets	
• Lamp (650W)	80 sets	
• Lamp (500W)	150 sets	
• Color Filter	90 sets	30 Red, 30 Green, 30 Blue
• Lighting Stand	4 sets	
• Clamp	36 sets	
• Chair	1 set	
2) Portable Video Recording System		
• Portable Digital Camera Recorder (PAL)	2 sets	1/2inch 3CCD Camera (Professional Type)
• Wireless Microphone (2 frequencies) System	2 sets	UHF Band
• Battery for Camera	2 sets	with Battery Charger
• Portable Light set	2 sets	
• Tripod	2 sets	
3) Master Control Equipment		
• Audio/Video Matrix Switcher	1 set	8 x 8 Analog Switch with Remote Control
• VTR Player (PAL)	2 sets	Digital VTR (professional Type)
• Video Generator (PAL)	1 set	Analog Type (Video/Audio/Sync.)
• Video Distribution Amplifier (PAL)	2 sets	Analog Type
• Vector Scope (PAL)	1 set	
• Wave Form Monitor (PAL)	1 set	
• Time Base Corrector (PAL)	1 set	incl Remote Controller with Color Corrector function
• 20 inch Color Monitor (PAL)	1 set	for Pre-View
• 14 inch Color Monitor (PAL)	1 set	Switcher Output Monitoring
• 9 inch Color Monitor (PAL)	5 sets	Switcher Input Monitoring
• Monitor Speaker	2 sets	Switcher Output Monitor with Amplifier
• Intercom System	1 set	between Master Control Room and Sub Control Room
• Monitor Shelf	1 set	
• Studio to Transmitter Link (STL)	1 set	FPU Type (Dual Configuration) with Automatic Change-Over Switch
• TV Tuner (PAL)	1 set	
• Video Patch Panel	1 set	
• Audio Patch Panel	1 set	
• System Rack	3 sets	
• System Console	1 set	
• Chair	2 sets	
4) Video Tape Editing Equipment		
a) A/B-Roll Editing System		
• VTR Player (PAL)	2 sets	Digital VTR (Professional Type)
• VTR Recorder (PAL)	1 set	Digital VTR (Professional Type)
• Digital Multi Effects/Switcher System (PAL)	1 set	Professional Type
• Vector Scope (PAL)	1 set	
• Wave Form Monitor (PAL)	1 set	
• TBC Remote Controller	3 sets	
• Editing Controller (PAL)	1 set	
• Audio Mixer	1 set	10-Input Analog Mixer
• Character Generator (PAL)	1 set	
• 14 inch Color Monitor (PAL)	2 sets	

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Equipment	Quantity	Remarks
• 9 inch Color Monitor (PAL)	4 sets	
• Headphone	1 set	
• Video Distribution Amplifier	1 set	for Sync. Distribution
• Video A/D Converter	1 set	for Character Generator
• Audio Delay	1 set	
• Audio Monitor	2 sets	with Amplifier
• System Rack	1 set	
• Editing Table	1 set	
• Table for Character Generator	1 set	
• Chair	1 set	
b) Non-Linear Editing System	1 set	
• Non-Linear Set	1 set	Hard Disc Type
• VTR Recorder (PAL)	1 set	Digital VTR (Professional Type)
• TBC Remote Controller	1 set	
• 14 inch Color Monitor (PAL)	1 set	Professional Type
• Monitor Display	1 set	
• Audio Monitor	2 sets	with Amplifier
• UPS	1 set	Single Phase 220V, 1kVA
• Video Distribution Amplifier	1 set	for Sync. Distribution
• Headphone	1 set	
• Editing Table	1 set	
• Side Desk	1 set	
• Chair	1 set	
5) VHS Video Tape Duplicator		
• VTR Player (PAL)	1 set	Digital VTR (Professional Type)
• VHS Video Recorder (PAL)	4 sets	Consumer Type
• A/V Distribution Amplifier (PAL)	1 set	
• A/V Selector	1 set	6 x 1
• Audio Monitor Speaker for Rack	1 set	2ch Speaker with Amplifier (built-in type)
• 14 inch Color Monitor (PAL)	1 set	Professional Type
• System Rack	1 rack	
• Chair	1 set	
6) Video Tape Logging System		
• VTR Player (PAL)	2 sets	Digital VTR (Professional Type)
• 14 inch Color Monitor (PAL)	2 sets	Professional Type
• Monitor Speaker	4 sets	with Amplifier
• Operation Desk	2 sets	
• Chair	2 sets	
7) Power Supply Equipment		
• Automatic Voltage Regulator (30kVA)	1 set	for Studio, Single Phase 220V
• Automatic Voltage Regulator (2kVA)	2 sets	for Duplication Room & Maintenance Workshop, Single Phase 220V
8) Maintenance Workshop		
• Digital Multi Meter	1 set	
• Oscilloscope	1 set	
• TV Signal Generator	1 set	
• Wave Form/Vector Monitor	1 set	
• Tool set	2 sets	
9) Spare Parts/Unit	1 set	
10) VTR Tape		
• 90 Minutes Tape	40 rolls	
• 60 Minutes Tape	100 rolls	
• 30 Minutes Tape	100 rolls	
11) Installation Materials	1 set	for all equipment

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(4) Mekelle TV Recording Studio Equipment

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Equipment	Quantity	Remarks
1) Portable Video Recording System		
• Portable Digital Camera Recorder (PAL)	2 sets	1/2inch 3CCD Camera (Professional Type)
• Wireless Microphone (2 frequencies) System	2 sets	UHF Band
• Battery for Camera	2 sets	with Battery Charger
• Portable Light set	2 sets	
• Tripod	2 sets	
2) Non-Linear Editing System	1 set	
• Non-Linear Set	1 set	Hard Disc Type
• VTR Recorder (PAL)	1 set	Digital VTR (Professional Type)
• TBC Remote Controller	1 set	
• 14 inch Color Monitor (PAL)	1 set	Professional Type
• Monitor Display	1 set	
• Audio Monitor	2 sets	with Amplifier
• UPS	1 set	Single Phase 220V, 1kVA
• Video Distribution Amplifier	1 set	for Sync. Distribution
• Headphone	1 set	
• Editing Table	1 set	
• Side Desk	1 set	
• Chair	1 set	
3) VHS Video Tape Duplicator		
• VTR Player (PAL)	1 set	Digital VTR (Professional Type)
• VHS Video Recorder (PAL)	2 sets	Consumer Type
• A/V Distribution Amplifier (PAL)	1 set	
• A/V Selector	1 set	6 × 1
• Audio Monitor Speaker for Rack	1 set	2ch Speaker with Amplifier (built-in type)
• 14 inch Color Monitor (PAL)	1 set	Professional Type
• System Rack	1 set	
• Chair	1 set	
4) Video Tape Logging System		
• VTR Player (PAL)	1 set	Digital VTR (Professional Type)
• 14 inch Color Monitor (PAL)	1 set	Professional Type
• Monitor Speaker	2 sets	with Amplifier
• Operation Desk	1 set	
• Chair	1 set	
5) Power Supply Equipment		
• Automatic Voltage Regulator (2kVA)	2 sets	for Duplication Room & Portable Camera, Single Phase 220V
6) Maintenance Workshop		
• Tool set	2 sets	
7) Spare Parts/Unit	1 set	
8) Installation Materials	1 set	for all equipment

Participants List

ANNEX-II

	Region/Ministry	No.	Name	Title
1	Addis Ababa	1	Mr. Alemayhu Bulcha	Bureau Head
		2	Mr. Tesfamariam G/Mariam	E. M. M. Head
		3	Mr. Senfayhu Tsegaw	E. M. R. S-Head
2	Oromiya		(absent)	
			(absent)	
3	Dire Dawa	1	Mr. Ghiday G/Selassie	Head, Curriculum Development
		2	Mr. Chanyalew Tefera	Head, Education Support Department
4	Harar	1	Mr. Abdulnasir Redwan	Project Expert
		2	Mr. Jebessa G/Kedan	Head, Education Support Department
5	Afar	1	Mr. Ahmed Seid	Head, Education Team
6	SNNP	1	Mr. Gebrechristos Nureye	Head, Education Bureau
		2	Mr. Solomon Loademo	Media Team Leader
7	Gambella	1	Mr. Oguta Adiw	Acting Head, Education Bureau
		2	Mr. Mulatu G/Hiwot	Department Expert
8	Tigray	1	Mr. Meressa G/Meclihia	Media Head
		2	Mr. Abraha Asfar	Head, Cooperation Development and Reserch Media
9	Educational Media Agency (EMA)	1	Mr. Demesew Bekele	General Manager
		2	Mr. Assefa Demeke	Head, Engineering and Technical Coordination
		3	Mr. Mekonnen Dechassa	Head, TV Studio
		4	Mr. Kaleab Gortom	Head, Educational Media Program Production Coordination
		5	Mr. Zenabu Teke	Head, Administration and finance
10	Ministry of Finance and Economic Development	1	(Mr. Hailemichael Kinfu)	(Head, Bilateral Cooperation Department)
		2	Mr. Tamirat Kediro	Head, Asia and Australia Division
		3	Mr. Gebre Medehin Birega	Expert
11	Ministry of Education Planning and Projects Department	1	Mr. Tesfaye Kelemework	Acting Head, Planning and projects Department
		2	Ms. Belaynesh Wolole Giorgis	Senior Project Expert
		3	Mr. Setotaw Yimam	ESDP Secretariat Coordinator
		4	Mr. Baye Deneken	Project Expert
12	Embassy of Japan	1	Mr. Hiroyoshi Ihara	Ambassador
		2	Mr. Kazuhiro Fukuda	Second Secretary
13	JICA Ethiopia Office	1	Mr. Yoshinori Ebata	Resident Representative
14	Japanese Mission Members	1	Mr. Junsaku Koizumi	Leader
		2	Mr. Satoshi Umeki	Technical Adviser
		3	Mr. Yujiro Yabe	Project Coordinator
		4	Mr. Akira Nagase	Chief Consultant
		5	Mr. Hajime Niwa	Social Study Education Planner
		6	Mr. Kenichi Okuno	Facility Planner

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